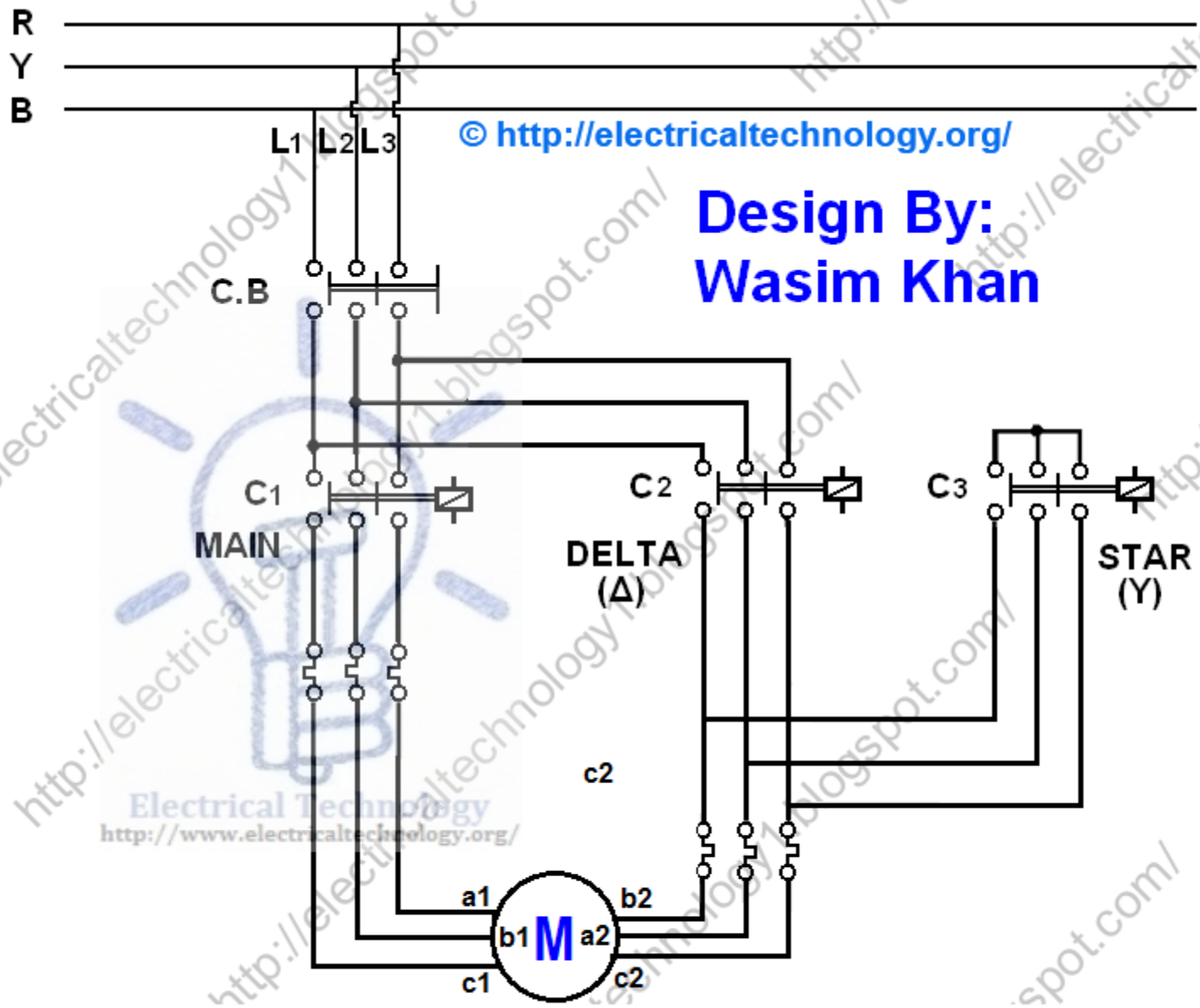
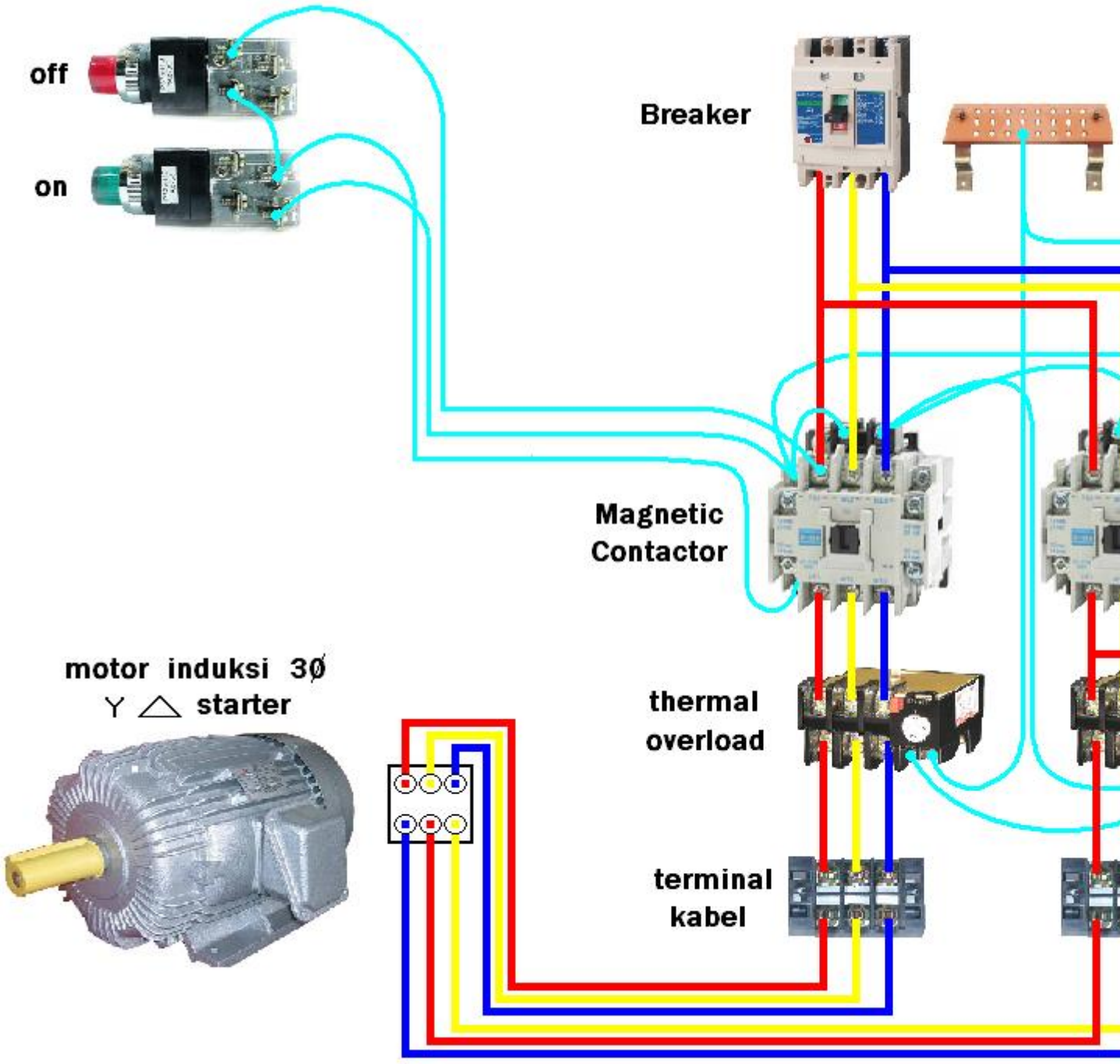
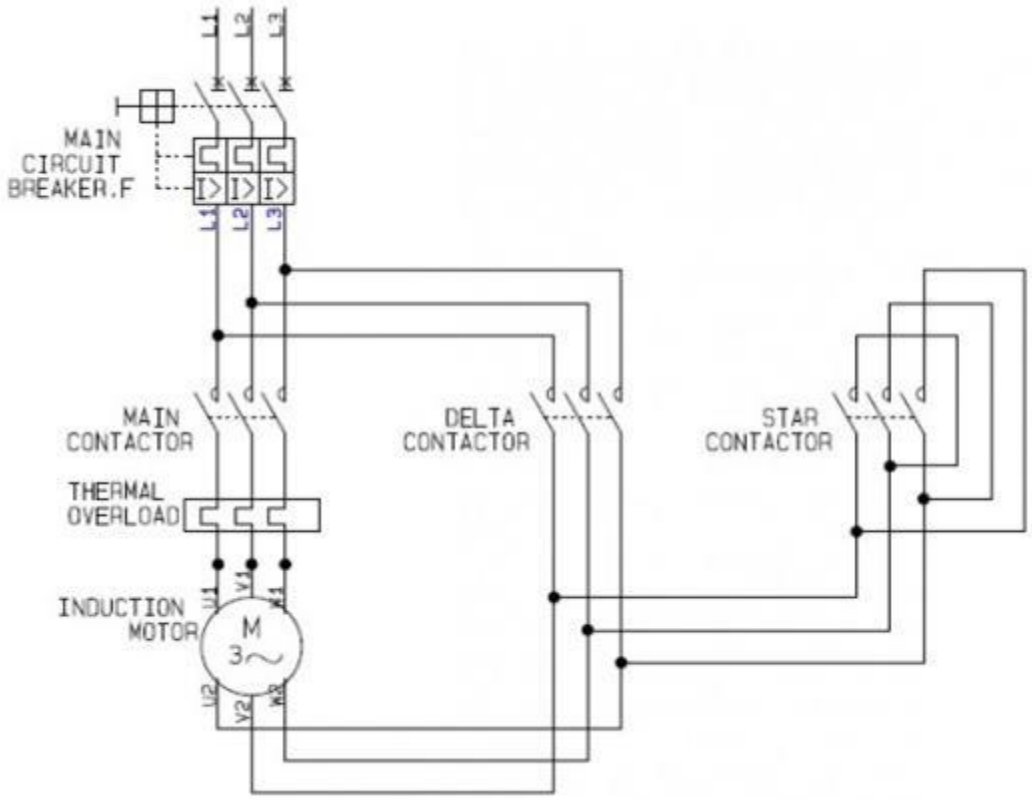
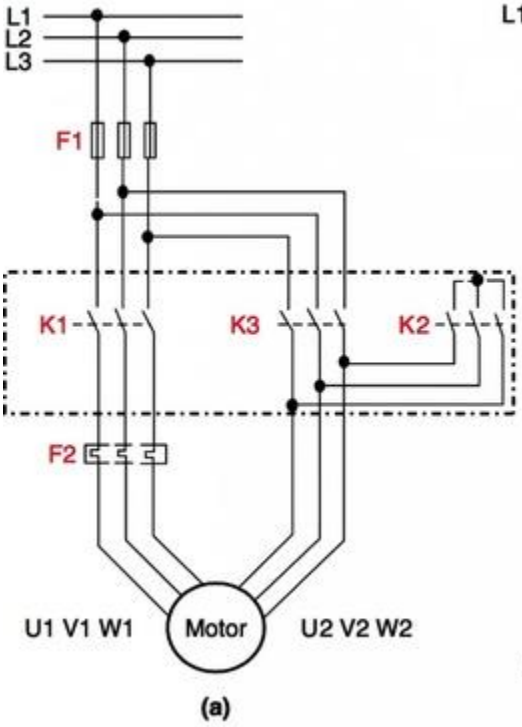


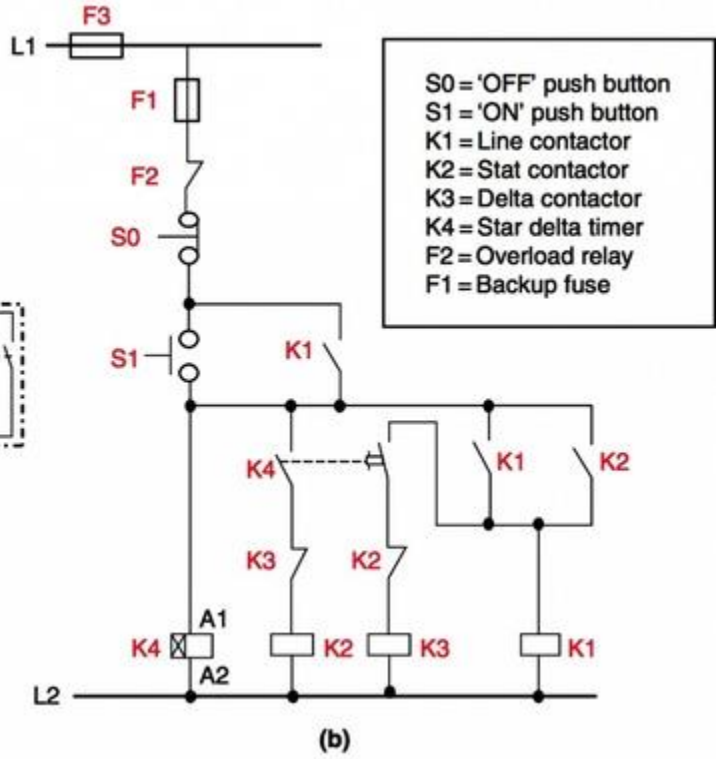
3 Phase Motor Connection STAR/DELTA Without Timer Power Diagram


off
on
Breaker
Magnetic
Contactor
motor induksi 3Ø
Y △ starter
thermal
overload
terminal
kabel

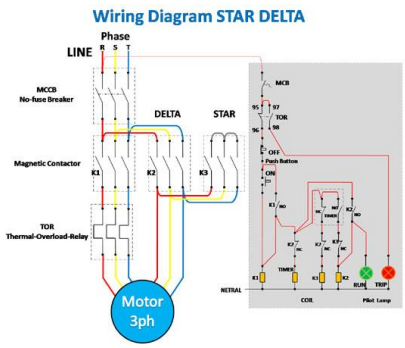

L1
L2
L3
MAIN
CIRCUIT
BREAKER.F
I>
MAIN
CONTACTOR
DELTA
CONTACTOR
STAR
CONTACTOR
THERMAL
OVERLOAD
INDUCTION
MOTOR
M
3~
W1
V1
U1
W2
V2
U2

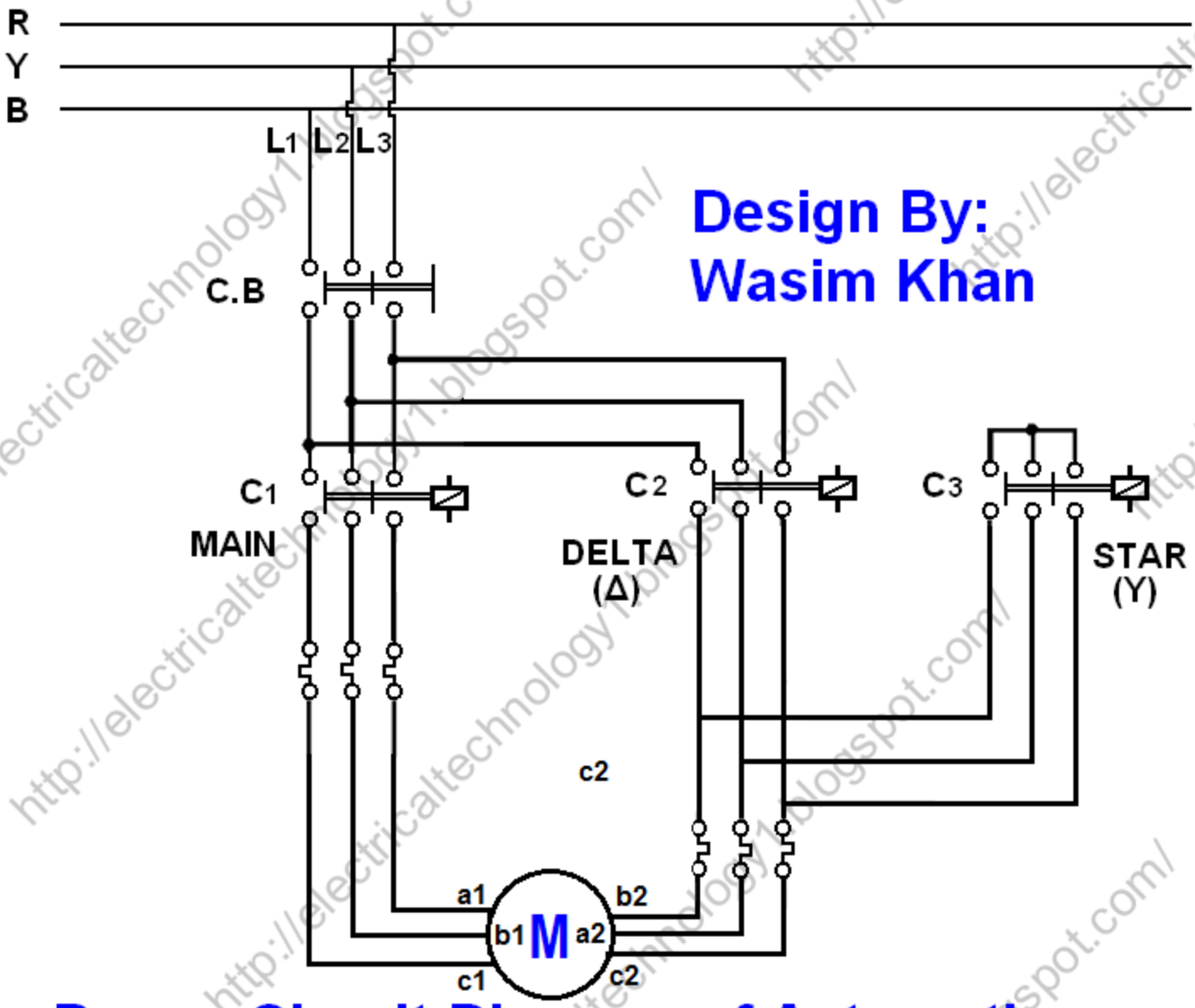

L1
L2
L3
F1
K1
K3
K2
F2
U1 V1 W1
Motor
U2 V2 W2

(a)


F3
L1
F1
F2
S0
S1
K1
K4
K1
K2
K3
K2
A1
K4
K2
K3
K1
A2
L2
S0 = 'OFF' push button
S1 = 'ON' push button
K1 = Line contactor
K2 = Stat contactor
K3 = Delta contactor
K4 = Star delta timer
F2 = Overload relay
F1 = Backup fuse

(b)

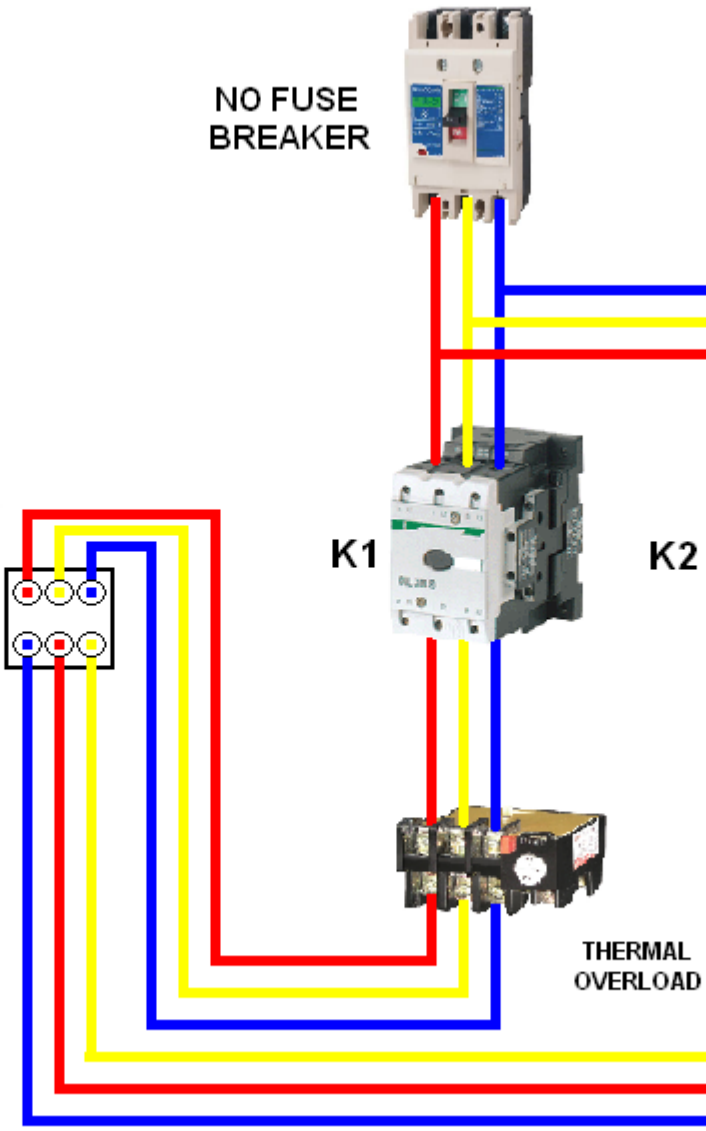




Design By:
Wasim Khan

Power Circuit Diagram of Automatic Star-Delta (Y-Δ) Starter for 3-phase Motor

http://electricaltechnology1.blogspot.com/

WIRING STAR DELTA

INDUCTION MOTOR 3 PHASE
380 V/15 KW